

PAT-NO: JP02001193587A
DOCUMENT-IDENTIFIER: JP 2001193587 A
TITLE: AIR INTAKE DUCT AND MANUFACTURING METHOD THEREFOR
PUBN-DATE: July 17, 2001

INVENTOR-INFORMATION:

NAME	COUNTRY
KINO, HITOSHI	N/A
ISHIHARA, HIDETOSHI	N/A
KOMORI, TAKAHIRO	N/A
HIROSE, YOSHIKAZU	N/A
YOKOHASHI, KATSUMI	N/A
TANAKA, YOSHIKAZU	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
TOYODA GOSEI CO LTD	N/A
TOYOTA MOTOR CORP	N/A

APPL-NO: JP2000007959
APPL-DATE: January 17, 2000

INT-CL (IPC): F02 M 035/10

ABSTRACT:

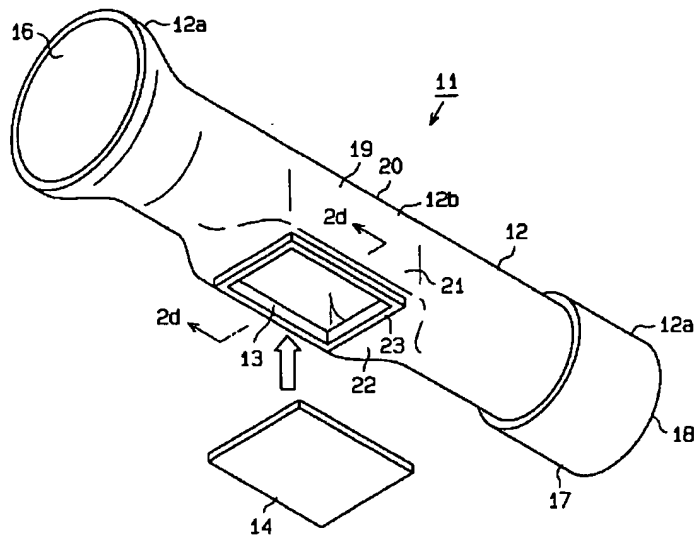
PROBLEM TO BE SOLVED: To provide an air intake duct and its manufacturing method capable of effectively reducing air intake noises, and being manufactured at a relatively low cost.

SOLUTION: A plane part 22 is formed at the center part 12b of a duct body 12 of an air intake duct 11 for introducing external air into an air cleaner of a vehicular engine, and an

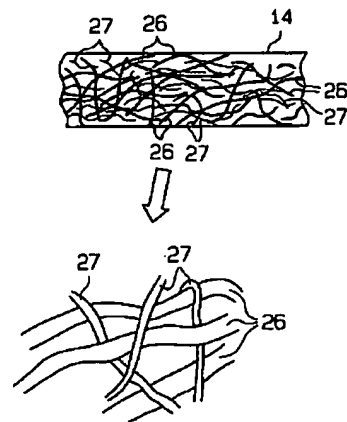
opening part 13 is opened in the plane part 22. The periphery 23 of the opening part 13 is allowed to project outwardly from the plane part 22, and the tip of the periphery is made to form a flat plane. A flat non-woven fabric-molded body 14 is pressed against the periphery 23 in a preliminarily molted state, and the non-woven fabric-molded body 14 is joined and locked to the periphery. In this case, a part of thermoplastic resin of the periphery 23 permeates the inside of the non-woven fabric-molded body 14 to produce a state where fibers of the non-woven fabric-molded body 14 are entangled with the resin three-dimensionally.

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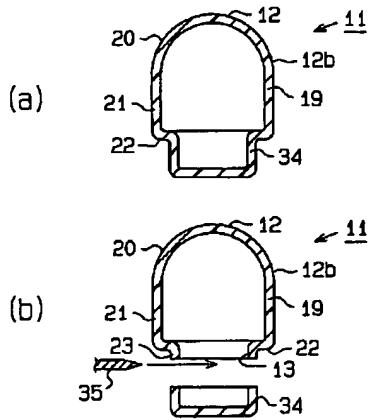
【図1】



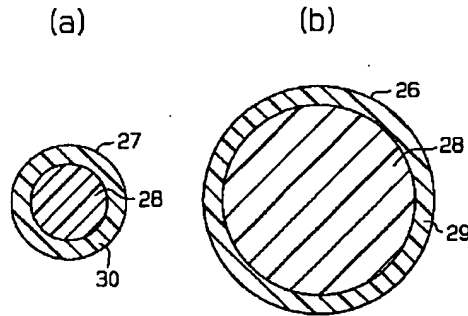
【図3】



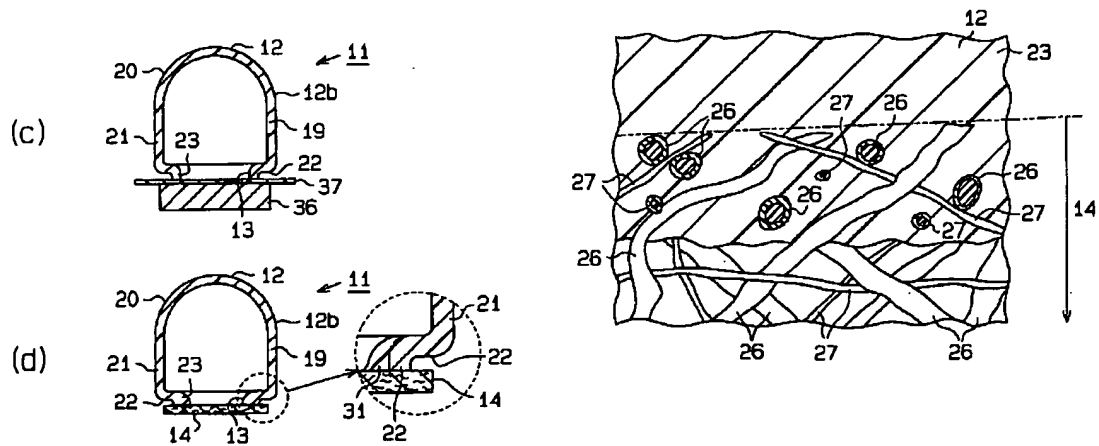
【図2】



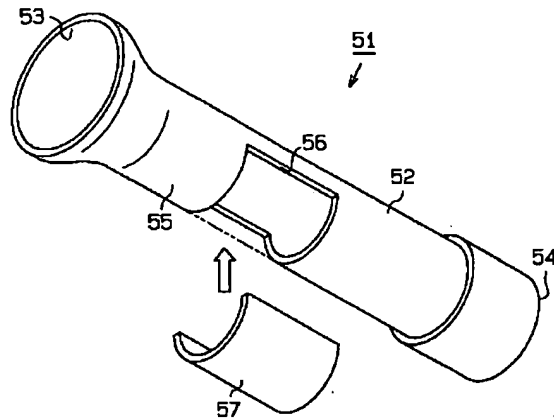
【図4】



【図5】



【図6】



フロントページの続き

(72)発明者 木野 等

愛知県西春日井郡春日町大字落合字長畑1
番地 豊田合成 株式会社内

(72)発明者 石原 秀俊

愛知県西春日井郡春日町大字落合字長畑1
番地 豊田合成 株式会社内

(72)発明者 古森 敬博

愛知県西春日井郡春日町大字落合字長畑1
番地 豊田合成 株式会社内

(72)発明者 広瀬 吉一

愛知県西春日井郡春日町大字落合字長畑1
番地 豊田合成 株式会社内

(72)発明者 横橋 克巳

愛知県豊田市トヨタ町1番地 トヨタ自動
車 株式会社内

(72)発明者 田中 良和

愛知県豊田市トヨタ町1番地 トヨタ自動
車 株式会社内